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What is claimed is:

1. A system comprising:
a well; and
a carousel of tools sealed within the well to automatically and selectively deploy the tools in the well to perform an intervention in the well.
2. The system of claim 1, wherein at least one of the tools is adapted to measure a property of the well.
3. The system of claim 2, wherein the property comprises a composition of well fluid.
4. The system of claim 2, wherein the property comprises a temperature.
5. The system of claim 2, wherein the property comprises a pressure.
6. The system of claim 1, wherein at least one of the tools is adapted to take corrective action in the well.
7. The system of claim 6, wherein at least one of the tools is adapted to set a plug in the well.
8. The system of claim 1, wherein at least one of the tools is adapted to take a measurement of a property of the well at a predetermined depth.
9. The system of claim 1, wherein at least one of the tools is adapted to deploy sensors at a predetermined depth.

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1 10. A method comprising:
2 halting the flow of fluid in a well;
3 deploying a tool from within the well while the fluid is halted;
4 allowing the tool to free fall in the well while the fluid is halted; and
5 resuming the flow to retrieve the tool.

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1 11. The method of claim 10, further comprising:
2 introducing a delay to allow the tool to reach a given depth.

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1 12. The method of claim 10, further comprising:
2 using the tool to measure a property of the well at a predetermined depth.

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2 13. A method comprising:
2 injecting sensors into a fluid of a well;
3 using the sensors to measure at least one property of the well; and
4 retrieving data from the sensors indicating the measurements.

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1 14. The method of claim 13, wherein the act of retrieving the data comprises:
2 collecting the sensors; and
3 plugging the sensors into equipment to retrieve the data.

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1 15. The method of claim 13, wherein the act of retrieving the data comprises
2 communicating with the sensors as the sensors are flowing in the well.

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1 16. The method of claim 13, wherein the act of injecting the sensors
2 comprises:
3 introducing the sensors into a chemical injection port of the well.

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1 17. The method of claim 13, further comprising:
2 halting flow of the fluid to allow the sensors to descend into the well.

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- 1 18. A system comprising:
2 a well; and
3 a robot sealed in the well to selectively perform an intervention.
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1 19. The system of claim 18, wherein the robot comprises a tractor.
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1 20. The system of claim 18, wherein the robot is tethered to control
2 electronics.
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1 21. The system of claim 20, wherein the electronics are located inside the
2 well.
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1 22. The system of claim 20, wherein the electronics are located on a host
2 platform.
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1 23. The system of claim 18, wherein the robot is adapted to release a buoyant
2 member to indicate that the robot is lodged in the well.
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1 24. The system of claim 18, wherein the robot is adapted to collapse to
2 dislodge itself from a passageway in the well.
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